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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/799,608	03/15/2004	Norikazu Ota	119100	8411
25944	7590 11/14/2006		EXAM	INER
OLIFF & BERRIDGE, PLC			KAYRISH, MATTHEW	
P.O. BOX 19928 ALEXANDRIA, VA 22320			ART UNIT	PAPER NUMBER
	,		2627	
		DATE MAILED: 11/14/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)			
	10/799,608	OTA ET AL.			
Office Action Summary	Examiner	Art Unit			
	Matthew G. Kayrish	2627			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period varieties or extended period for reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be timused and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	I. lely filed the mailing date of this communication. O (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on 28 A	ugust 2006.				
· — · · _ · _ · _ · · _ · · · · _ · · · ·	action is non-final.	·			
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closed in accordance with the practice under E					
Disposition of Claims		20			
4) Claim(s) 1-11 is/are pending in the application.					
4a) Of the above claim(s) is/are withdray					
5) Claim(s) is/are allowed.					
6)⊠ Claim(s) <u>1-11</u> is/are rejected.					
7) Claim(s) is/are objected to.	•				
8) Claim(s) are subject to restriction and/o	r election requirement.				
· · · · · · · · · · · · · · · · · · ·					
Application Papers					
9) The specification is objected to by the Examine					
10)⊠ The drawing(s) filed on <u>05 April 2004</u> is/are: a)⊠ accepted or b)☐ objected to by the Examiner.					
Applicant may not request that any objection to the					
Replacement drawing sheet(s) including the correct		•			
11)☐ The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.			
Priority under 35 U.S.C. § 119					
12)⊠ Acknowledgment is made of a claim for foreign a)⊠ All b)□ Some * c)□ None of:	priority under 35 U.S.C. § 119(a)	-(d) or (f).			
1.⊠ Certified copies of the priority documents have been received.					
	2. ☐ Certified copies of the priority documents have been received.				
3. Copies of the certified copies of the priority documents have been received in this National Stage					
application from the International Bureau (PCT Rule 17.2(a)).					
* See the attached detailed Office action for a list of the certified copies not received.					
AMaahaaasta					
Attachment(s) 1) Notice of References Cited (PTO-892)	4) Interview Summary	(PTO-413)			
2) Notice of References Cited (PTO-692) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail D	ate			
3) Information Disclosure Statement(s) (PTO/SB/08)	5) Notice of Informal F	atent Application			
Paper No(s)/Mail Date 6) Other:					

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DETAILED ACTION

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Response to Arguments

Applicant's arguments with respect to claims 1, 4 and 8 have been considered but are most in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kamijima (US Patent Number 2003/0099054), in view of Rancour et al (US Patent Number 6757135).

Regarding claim 1, Kamijima discloses:

A hard disk drive comprising:

A recording medium (figure 1, item 10);

A head gimbal assembly comprising:

An arm member mounted with the head slider (figure 2, item 22);

A head slider comprising:

A support (figure 2, item 20); and

A magnetic head part (figure 2, item 21), formed on the support (See figure 2), for carrying out at least one of recording and reproducing of information (page 3, paragraph 65);

The magnetic head part comprising:

A device to be energized (figure 4, item 45), including first (figure 3, item 32 on right) and second poles (figure 3, item 32 on left) for supplying a current therebetween; and

An energizing electrode pad (figure 3, item 33) disposed on a first surface of the magnetic head part on a side opposite from the support (figure 2, support extends in opposite direction);

The first pole (figure 3, item 32 on right) of the device to be energized (figure 4, item 45), being electrically connected to the electrode pad (page 3, paragraph 65);

Kamijima fails to specifically disclose:

The second pole of the device to be energized, being conductible by way of a second surface of the head slider different from the first surface and without passing the first surface.

Rancour et al disclose:

A first surface (figure 4, item 146);

The second pole of the device to be energized, being conductible (columns 2 & 4, lines 1-7 & 3-7) by way of a second surface (figure 4, item 148)

of the head slider different from the first surface and without passing the first surface (figure 4, items 146 & 148 are on opposite sides).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide Kamijima with an electrical connection on a surface different from the other connection surfaces, as taught by Rancour et al, because these connections provide enough support to serve as both electrical and mechanical connections, as mentioned in column 1, lines 10-14.

Regarding claims 2, 5 and 9, Kamijima discloses:

A head slider according to claim 1, wherein the support has the second surface (figure 2, surface is part of support).

Regarding claims 3, 7 and 11, Kamijima discloses:

A head slider according to claim 1, wherein the magnetic head part comprises a magnetoresistive device (figure 8, item 54) for reproducing (figure 4, item 42), an inductive electromagnetic transducer (page 5, paragraph 80) for recording (figure 4, item 43), and a heater element (figure 4, item 45) for generating heat upon energization (page 5, paragraph 84);

Wherein the device to be energized is one of devices of the magnetoresistive device, inductive electromagnetic transducer, and heater element (pages 3 & 4, paragraph 65); and

Wherein the devices other than the device to be energized are connected to respective pairs of electrode pads disposed on the first surface (pages 3 & 4, paragraph 65).

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Regarding claims 6 and 10, Kamijima discloses:

A head gimbal assembly according to claim 4, wherein the second surface

is in contact with the arm member (figure 2, item 22 is in contact with the second

surface);

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Matthew G. Kayrish whose telephone number is 571-

272-4220. The examiner can normally be reached on 8am - 5pm M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Andrea Wellington can be reached on 571-272-4483. The fax phone

number for the organization where this application or proceeding is assigned is 571-

273-8300.

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Matthew G. Kayrish

6/23/2006

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